

AMENDMENT TO THE CLAIMS

The following is a detailed listing of all claims that are, or were, in the Application.

Claims 1-38. (Canceled)

39. (Currently amended) A ~~computer-implemented~~ method implemented by an apparatus for processing multimedia content and information related to multimedia content consumption, the method comprising:

receiving a multimedia program having a program identifier identifying the multimedia program;

receiving content description about the multimedia program, the content description including a plurality of description elements;

collecting information about consumption of multimedia content, the collected information identifying a user action related to consumption of content in ~~[[a]]~~ the multimedia program that is identified by a program identifier; and

storing a usage history in the apparatus, the usage history including a user action list that includes a user action item corresponding to the user action, the user action item including the program identifier and a reference link to a particular location where a specific element of the content description about the multimedia program is located, wherein the specific element of the content description that is related to the content consumed from the multimedia program in relation to the user action and the particular location is separate from the user action list; and

using the usage history to generate user preference information including a user preference item and a preference value corresponding to the user preference item, wherein the user preference item corresponds to the specific element of the content description.

40. (Canceled)

41. (Previously presented) The method of claim 39, wherein the program identifier includes a title of the multimedia program.

42. (Previously presented) The method of claim 39, wherein the user action item specifies an action time identifying a time of occurrence for the user action.

43. (Previously presented) The method of claim 39, wherein the usage history specifies an observation period defining a time period for recording multimedia consumption.

44. (Cancelled)

45. (Currently amended) The method of claim [[44]] 39, wherein the link to the particular location includes a URL.

46. (Currently amended) The method of claim 39, wherein the specific element of the content description specifies an actor of the multimedia program.

47. (Currently amended) The method of claim 39, wherein the specific element of the content description specifies a director of the multimedia program.

48. (Currently amended) A system for processing multimedia content and information related to multimedia content consumption, the system comprising:
a data storage device; and
data processing apparatus configured to perform operations comprising:

receiving a multimedia program having a program identifier identifying the multimedia program;

receiving content description about the multimedia program, the content description including a plurality of description elements;

collecting information about consumption of multimedia content, the collected information identifying a user action related to consumption of content in ~~[[a]]~~ the multimedia program that is identified by a program identifier; and

storing a usage history in the data storage device, the usage history including a user action list that includes a user action item corresponding to the user action, the user action item including the program identifier and a ~~reference~~ link to a particular location where a specific element of the content description about the multimedia program is located, wherein the specific element of the content description that is related to the content consumed from the multimedia program in relation to the user action, and the particular location is separate from the user action list; and

using the usage history to generate user preference information including a user preference item and a preference value corresponding to the user preference item, wherein the user preference item corresponds to the specific element of the content description.

49. (Canceled)

50. (Previously presented) The system of claim 48, wherein the user action item specifies an action time identifying a time of occurrence for the user action.

51. (Previously presented) The system of claim 48, wherein the usage history specifies an observation period defining a time period for recording multimedia consumption.

52. (Cancelled)

53. (Currently amended) The system of claim ~~[[52]]~~ 48, wherein the link includes a URL.

54. (Currently amended) A computer program product, tangibly embodied in a machine readable storage medium, for processing multimedia content and information related to multimedia content consumption, the computer program comprising instructions to cause a data processing apparatus to perform operations comprising:

receiving a multimedia program having a program identifier identifying the multimedia program;

receiving content description about the multimedia program, the content description including a plurality of description elements;

collecting information about consumption of multimedia content, the collected information identifying a user action related to consumption of content in ~~[[a]]~~ the multimedia program ~~that is identified by a program identifier;~~ and

storing a usage history in the data processing apparatus, the usage history including a user action list that includes a user action item corresponding to the user action, the user action item including the program identifier and a ~~reference~~ link to a particular location where a specific element of the content description about the multimedia program is located, wherein the specific element of the content description that is related to the content consumed from the multimedia program in relation to the user action, and the particular location is separate from the user action list; and

using the usage history to generate user preference information including a user preference item and a preference value corresponding to the user preference item, wherein the user preference item corresponds to the specific element of the content description.

55. (Canceled)

56. (Previously presented) The computer program product of claim 54, wherein the user action item specifies an action time identifying a time of occurrence for the user action.

57. (Previously presented) The computer program product of claim 54, wherein the usage history specifies an observation period defining a time period for recording multimedia consumption.

58-59. (Cancelled)

60. (Currently amended) The method of claim ~~[[59]]~~ 39, further comprising: updating the user preference information based on the usage history.

61. (Currently amended) The method of claim ~~[[59]]~~ 39, wherein ~~the user preference item corresponds to at least a portion of the content description, and~~ using the usage history to generate the user preference information includes using the ~~reference link~~ link to the particular location where the specific element of the content description is located.

62. (Currently amended) The system of claim 48, wherein the data processing apparatus is further configured to perform operations comprising:
~~using the usage history to generate user preference information including a user preference item and a preference value corresponding to the user preference item; and~~
updating the user preference information based on the usage history.

63. (Currently amended) The computer program product of claim 54, further comprising instructions to cause data processing apparatus to perform operations comprising:

~~using the usage history to generate user preference information including a user preference item and a preference value corresponding to the user preference item; and~~
updating the user preference information based on the usage history.

64. (Currently amended) A ~~computer implemented~~ method implemented by an apparatus for processing multimedia content and information related to multimedia content consumption, the method comprising:

receiving a multimedia program having a program identifier identifying the multimedia program;

receiving content description about the multimedia program, the content description including a plurality of description elements;

collecting information identifying a user action related to consumption of content in ~~[[a]] the multimedia program having a program identifier;~~

storing a usage history in the apparatus, the usage history including a user action list that lists at least the user action and includes the program identifier, a corresponding user action time, and a ~~reference~~ link to a particular location where a specific element of the related content description is located, wherein the particular location that is separate from the user action list;

using the usage history to generate user preference information including a user preference item and a corresponding preference value, wherein the user preference item corresponds to the specific element of the content description; and

updating the user preference information based on the usage history.

65. (Previously presented) The method of claim 64, wherein the program identifier includes a title of the multimedia program.

66. (Cancelled)

67. (Currently amended) The method of claim [[66]] 64, wherein the link to the particular location includes a URL.